

3a. AWARDING OFFICE:

| OFFICE | OF THE STATE OF TH | | MODIF | | | 875 N. | of Naval R Randolph S ton, VA 222 | Street, Su | ite 1425 | |
|--|--|--------|--|-----------|---|--|---|--------------------|---------------------------------|--|
| | City | | 1. INSTRUMENT TYPE: Grant Award | | | 3b. CFDA: 12.330 | | | | |
| 2. AUTHORITY: | | | | | | 3c. DUNS NUMBER: 003403953 | | | | |
| 4. AWARD NO.: | | | 10 USC 2192 as am 5. MODIFICATION NO.: | 6. MOI | DIFICATION TYPE: | 7. PR NO.: | | | | |
| N00014-21-1-2037 8. ACTIVITY/AGENCY PROPO | OSAL NO : | | 9. RECIPIENT PROPOSA | NE | M 10. PROPOSAL DA | 1000013 | 3393 11. ACTIVITY T | VDE: 12 DB | OGRAM TYPE: | |
| GRANT13189564 | | | OSP#217835 | L NO | 08192020 | · L. | Stem | | VR | |
| | | | | | | (IF DIFFERENT .3 | FROM BLOCK | 13): | | |
| PENNSYLVANIA STAT PENN STATE 201 OLD MAIN UNIVERSITY PARK P UNITED STATES OF | A 16802-1 | | THE | | | | | | | |
| 13d. BUSINESS OFFICE CON Youyou Cheng | ITACT: | | | | | | | | | |
| 13e. TELEPHONE NUMBER: 814-865-6185 | 13f. EMAIL yuc33@g | | | | | | | | | |
| 15. RESEARCH TITLE AND/O Supporting the Na | | | PROJECT AND/OR PROF Workforce Through | | | sion | | | | |
| 16. FUNDING | ACTIVI | TY/AGI | ENCY SHARE REC | IPIENT SI | HARE TOTAL | - | 17. CURRENT F | UNDING PER | IOD | |
| PREVIOUSLY OBLIGATED: | | | | \$0.00 | | | | THROUGH | N/A | |
| OBLIGATED BY THIS ACTION | N: | | | | | 00.00 | | | | |
| TOTAL OBLIGATED ON AWA | RD: | | | | | | 18. PERIOD OF | PERFORMAN | ICE | |
| FUTURE FUNDING: | | | | | \$150, | 000.00 | 10/29/2020 | THROUGH | 10/28/2024 | |
| GRANT TOTAL: | | | | | \$200, | 000.00 | | | | |
| 19. ACCOUNTING AND APPR See Attached Fina | | | ng Data Sheet(s) | | | | | | | |
| 20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE: | | | | | NICAL REPRESENTATE: KNOX MILLS | | 21b. CODE: 0351 | | | |
| Karen Thole | | | | 87 | RESS: OSPACE SCIENCE 5 N. Randolph ington VA 2220 | Street | DIV | | | |
| 20b. TELEPHONE NUMBER: 814-865-2519 | | | | | | I . | | | IL ADDRESS: ILLSAPS@NAVY.MIL | |
| 22. POC FOR THIS ACTION 22a. NAME: VERONICA Y | LACEY | | 22b. CODE: 0253 | ONR | MINISTRATIVE OFFIC REG Office Ch | icago | • | 23b. CODE: N628 | 80 | |
| 22c. ADDRESS: Office of Naval Research 875 N. Randolph Street Suite 1425 Arlington VA 22203-1995 | | | | | Telephone: (312) 886-5423 Email:ONR_Chicago@navy.mil 230 South Dearborn CHICAGO IL 60604-1595 | | | | | |
| 22d. TELEPHONE NUMBER: 703-696-2593 | 22e. EMAIL VERONIO | | ESS: ACEY@NAVY.MIL | | | | | | | |
| 24. SUBMIT PAYMENT REQU | | - 1 | . PAYING OFFICE | | DE : HQ0337 | 26a. PATENT OFFICE: 26b. CODE: N000 | | | N00014 | |
| Same as block 23a DFAS-CO/NORTH ENTITH HQ0337 PO Box 182266 COLUMBUS OH 43128 | | | | | OPERATIONS | Office of Naval Research ATTN: ONR Office of Counsel Intellectual Property Section One Liberty Center 875 North Randolph Street, Suite 1425 Arlington, VA 22203-1995 | | | | |

ONR AWARD FORM (10/99) - version 1.1

| AWARD NO. | | | MODIFICATION NO. | | | | | |
|--|--------------------------------|---|--|------------------------------|--|--|--|--|
| N00014-21-1-2037 | WARD/MODII | FICATION | WODII ICATION NO. | | | | | |
| | | | <u> </u> | | | | | |
| 27. SPECIAL INSTRUCTIONS: | | | | | | | | |
| See Special Requirements on Page 5 | | | | | | | | |
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| 28. DELEGATIONS: The administration duties listed below make their full text available. Please direct questions to the | | | block 23a). Upon request the awarding Contracts-Grants/Regional-Con | | | | | |
| That a dieli fall text available. I leade allest questions to the | oomaaaa ee. neep.// | www.onr.navy.mir./ | contracts-Grants/Regronar-con | tacts.aspx | | | | |
| | | | | | | | | |
| This award provides full delegation | | | | | | | | |
| includes the functions described in functions related to payments describ | | | the administrative grants | s officer | | | | |
| runctions related to payments descri | Jed III JZ CFR ZZ. | , , | | | | | | |
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| 29. TERMS AND CONDITIONS: The following terms and c | onditions are incorporated | herein by reference with | the same force and effect as if they w | ere given in full text. Upon | | | | |
| request the awarding office contact named in block 22 will r | nake their full text available | e, or they can be found a | at the specified URL. | | | | | |
| | | | | | | | | |
| DOCUMENT | | URL | | | | | | |
| | | | | | | | | |
| The following documents may be found https://www.onr.navy.mil/work-with-ua | | rd/manago-grant- | award/grantg-tormg-gondit | iona | | | | |
| DOD RESEARCH AND DEVELOPMENT GENERAL | | | -awaru/grants-terms-condit | CTOHS | | | | |
| UAWA AWARD A (SEP 2017) | | , , | | | | | | |
| ONR ADDENDUM TO THE DOD R&D GENERAL ' | | ONS AND ONR PROG | GRAMMATIC REQUIREMENTS - I | OOMESTIC | | | | |
| EDUCATION AND SYMPOSIUM PROJECTS (OC | r 2019) | | | | | | | |
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| 30. OPTIONS OPTION NO. AMOU | NT | | PERIOD | | | | | |
| (1) | | · | 2.1105 | | | | | |
| (1) | | | | | | | | |
| (3) | | | | | | | | |
| (4) | | | | | | | | |
| . , | | | | | | | | |
| 31. REPORTS: The reporting requirements under this awar | d are specified in the article | es of part 5 (Financial, F | Programmatic, and Property Reporting) | to the General Terms and | | | | |
| Conditions and in any additional language for Part 5 in an C | | | | | | | | |
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| 32. FOR THE RECIPIENT | | 33 EOR THE LINITED | STATES OF AMERICA | | | | | |
| 32.1 OK THE KEON LEWI | | Social Old This State S | OTATES OF AMERICA | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN | | 33a. SIGNATURE OF AWARDING OFFICER | | | | | | |
| | | Digitally signed by VERONICA LACEY 1231655901 | | | | | | |
| | | Dated: 2020.1 | 0.29 15:11:39 EST | | | | | |
| 32b. NAME AND TITLE OF SIGNER | 32c. DATE SIGNED | 33h NAME AND TITE | E OF AWARD OFFICER | 33c. DATE SIGNED | | | | |
| 525. IVANIL AND TITLE OF SIGNER | 320. DATE SIGNED | | | | | | | |
| | | VERONICA LACE | Υ | 10/29/2020 | | | | |

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FINANCIAL ACCOUNTING DATA SHEET - NAVY

| N00014-21-1-2037 | | 2. SPIIN (CR | ITICAL) | | 3. MOD (CRITICAL) | | | 4. PR NUMBER 1000013393 | | | | | | | |
|--------------------------------|------------|---------------------|---------------|-----------|---|------------------------------|-------------------------|----------------------------|----------|---------------|-------------------------|-----|-------------------|-------------|----------------------|
| CLIN/SLIN | | | | | | | | | | | NAVY | | | | |
| | A. ACRN | B. APPROPRIATION | C. SUBHEAD | D. OBJ | E. PARM | F. G. H. I. RFM SA AAA IT | | | I. IT | J. K. COST CO | | | AMOUNT (CRITICAL) | | INTERNAL USE ONLY |
| | (CRITICAL) | (CRITICAL) | (CRITICAL) | CLA | | | | (CRITICAL) | | | PROJ UNIT | MCC | PDLI & SUF | (ONTHOXE) | REF DOC/ACRN |
| | AA | 1711319 | WIAE | 410 | 00 | 014 | 0 | 050120 | 2D | 000000 | 000035 | 003 | 332 | \$50,000.00 | |
| PAGE TOTAL \$50,000.00 | | | | | | | | | | | | | | | |
| | | | | | | | GRAND TOTAL \$50,000.00 | | | | | | | | |
| PREPARED/AUTHORIZED BY: DATE: | | | | | COMPTROLLER APPROVAL: FOR FISCAL DATA AND SIGNATURE | | | | | | , ONR CONTRACT REVIEWED | | | | |

FINANCIAL ACCOUNTING DATA SHEET - NON-NAVY DoD ACTIVITIES

| | | 3. MOD (CRITICAL) | 4. PR NUMBER | | | | |
|--------------------------------|--------------------------|-------------------|--------------|--------------------------------|-------------|----------------------------|---|
| N00014-21-1-2037 | | | 1000013393 | | | | |
| 5. CLIN/SLIN | 6. ACRN (CRITICAL) | 7. | A | ACCOUNTING CITATION | | 8. AMOUNT (CRITICAL) | NAVY INTERNAL USE ONLY REF DOC/ACRN |
| | | | | | PAGE TOTAL | | |
| | | | | | | | |
| PREPARED/ALITHORIZED RV: | | | | COMPTROLLER APPROVAL: | GRAND TOTAL | | |
| PREPARED/AUTHORIZED BY: DATE: | | | | FOR FISCAL DATA AND S BY DATE: | IGNATURE | _ for COMPTROLLER, ONR CO | ONTRACT REVIEWED |

AWARD NO.
N00014-21-1-2037

SPECIAL REQUIREMENTS MODIFICATION NO.

The Following payment instructions are hereby provided:

Payment Office:

The payment office shall make payment in sequential ACRN order within the award, exhausting all funds in the previous ACRN before paying from the next ACRN using the following sequential order: alpha/alpha; alpha/numeric; numeric/alpha; and numeric/numeric ACRN sequence...

Grantee:

Payment guides are available on the ONR website at the following link: https://www.onr.navy.mil/en/work-with-us/manage-your-award/manage-grant-award#grant-payment

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